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NEWS	3	SEP 09	CA/CAPLUS records now contain indexing from 1907 to the present
NEWS	4	DEC 08	INPADOC: Legal Status data reloaded
NEWS	5	SEP 29	DISSABS now available on STN
NEWS	6	OCT 10	PCTFULL: Two new display fields added
NEWS	7	OCT 21	BIOSIS file reloaded and enhanced
NEWS	8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	9	NOV 24	MSDS-CCOHS file reloaded
NEWS	10	DEC 08	CABA reloaded with left truncation
NEWS	11	DEC 08	IMS file names changed
NEWS	12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS	13	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAPLUS
NEWS	14	DEC 17	DGENE: Two new display fields added
NEWS	15	DEC 18	BIOTECHNO no longer updated
NEWS	16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS	17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS	18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS	19	DEC 22	ABI-INFORM now available on STN
NEWS	20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAPLUS
NEWS	22	FEB 05	German (DE) application and patent publication number format changes
NEWS	23	MAR 03	MEDLINE and LMEADLINE reloaded
NEWS	24	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	25	MAR 03	FRANCEPAT now available on STN
NEWS	EXPRESS		MARCH 5 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
NEWS	HOURS		STN Operating Hours Plus Help Desk Availability
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FILE 'HOME' ENTERED AT 09:38:18 ON 22 MAR 2004

=> file uspatfull

COST IN U.S. DOLLARS

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0.21

FILE 'USPATFULL' ENTERED AT 09:38:28 ON 22 MAR 2004

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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 18 Mar 2004 (20040318/PD)

FILE LAST UPDATED: 18 Mar 2004 (20040318/ED)

HIGHEST GRANTED PATENT NUMBER: US6708338

HIGHEST APPLICATION PUBLICATION NUMBER: US2004055066

CA INDEXING IS CURRENT THROUGH 18 Mar 2004 (20040318/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 18 Mar 2004 (20040318/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2004

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2004

>>> USPAT2 is now available. USPATFULL contains full text of the <<<
>>> original, i.e., the earliest published granted patents or <<<
>>> applications. USPAT2 contains full text of the latest US <<<
>>> publications, starting in 2001, for the inventions covered in <<<
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>>> classifications, or claims, that may potentially change from <<<
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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s hair?

L1 73703 HAIR?

=> s styling

L2 6445 STYLING

=> s spray

L3 208654 SPRAY

=> s l1 and l2

L4 3128 L1 AND L2

=> s l3 and l4

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L5 1078 L3 AND L4

=> s propellant?

L6 34497 PROPELLANT?

=> s 15 and 16

L7 655 L5 AND L6

=> s polyalkylene glycol?

33691 POLYALKYLENE

303615 GLYCOL?

L8 16649 POLYALKYLENE GLYCOL?
(POLYALKYLENE(W) GLYCOL?)

=> s 17 and 18

L9 69 L7 AND L8

=> s ether?

L10 371790 ETHER?

=> s 19 not 110

L11 2 L9 NOT L10

=> d 1-2 ibib abs

L11 ANSWER 1 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2002:57418 USPATFULL

TITLE: Topical preparation for the treatment of **hair**
loss

INVENTOR(S): Goodman, David S., 721 Woodhavin La., Naples, FL,
United States 34108

PATENT ASSIGNEE(S): Goodman, David S., Naples, FL, United States (U.S.
individual)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6358541	B1	20020319
APPLICATION INFO.:	US 2000-563555		20000503 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Weber, Jon P.		
ASSISTANT EXAMINER:	Patten, Patricia		
LEGAL REPRESENTATIVE:	Pearlman, Robert I., Riker, Danzig, Scherer, Hyland & Perretti LLP		
NUMBER OF CLAIMS:	18		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)		
LINE COUNT:	645		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Improved preparations for the treatment of androgenetic alopecia comprise saw palmetto berry extract containing phytosterols and one or more low irritability constituents that enhance penetration of the extract into **hair** follicular pores. The low irritability penetration enhancer(s) may be selected from the group consisting of adapalene, tretinoin, retinaldehyde, tazarotene, salicylic acid, azelaic acid, and glycolic acid. Also provided is a method for reducing **hair** loss by application to the scalp of the improved preparations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 2 OF 2 USPATFULL on STN

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ACCESSION NUMBER: 76:63794 USPATFULL
TITLE: Perfluorinated compounds in hair treatment compositions
INVENTOR(S): Cella, John A., Plandone Mills, NY, United States
Lukey, Robert A., Northbrook, IL, United States
Fiebig, Jr., August Emil, Chicago, IL, United States
Pum, Frank J., Glen Ellyn, IL, United States
PATENT ASSIGNEE(S): Alberto Culver Company, Melrose Park, IL, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3993745		19761123
APPLICATION INFO.:	US 1974-474956		19740531 (5)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Meyers, Albert T.		
ASSISTANT EXAMINER:	Clarke, Vera C.		
LEGAL REPRESENTATIVE:	Wallenstein, Spangenberg, Hattis & Strampel		
NUMBER OF CLAIMS:	12		
EXEMPLARY CLAIM:	1,12		
LINE COUNT:	275		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Hair setting lotions, gels, hair sprays and grooming aids, containing distinctly minor proportions of hydrophobiclipophobic perfluorinated compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=>

=> s polyalkylene glyceryl ether?

33691 POLYALKYLENE

20589 GLYCERYL

371790 ETHER?

L12 6 POLYALKYLENE GLYCERYL ETHER?

(POLYALKYLENE (W) GLYCERYL (W) ETHER?)

=> d his

(FILE 'HOME' ENTERED AT 09:38:18 ON 22 MAR 2004)

FILE 'USPATFULL' ENTERED AT 09:38:28 ON 22 MAR 2004

L1 73703 S HAIR?
L2 6445 S STYLING
L3 208654 S SPRAY
L4 3128 S L1 AND L2
L5 1078 S L3 AND L4
L6 34497 S PROPELLANT?
L7 655 S L5 AND L6
L8 16649 S POLYALKYLENE GLYCOL?
L9 69 S L7 AND L8
L10 371790 S ETHER?
L11 2 S L9 NOT L10
L12 6 S POLYALKYLENE GLYCERYL ETHER?

=> s 19 not 112

L13 67 L9 NOT L12

=> s ethanol?

L14 281341 ETHANOL?

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=> s 113 and 114
L15 63 L13 AND L14

=> s polysaccharide?
L16 48165 POLYSACCHARIDE?

=> s 115 and 116
L17 31 L15 AND L16

=> s mousse
L18 1701 MOUSSE

=> s 117 and 118
L19 22 L17 AND L18

=> s copolymer?
L20 258867 COPOLYMER?

=> s 119 and 120
L21 22 L19 AND L20

=> d 1-22 ibib abs

L21 ANSWER 1 OF 22 USPATFULL on STN
ACCESSION NUMBER: 2004:69521 USPATFULL
TITLE: Compositions of anionic polymeric rheology modifiers
and cationic materials
INVENTOR(S): Vondruska, Brian Jay, Maple Heights, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004052748	A1	20040318
APPLICATION INFO.:	US 2003-653609	A1	20030902 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-408793P	20020906 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Noveon, Inc., Legal Department, 9911 Brecksville Road, Cleveland, OH, 44141-3247	
NUMBER OF CLAIMS:	26	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	11 Drawing Page(s)	
LINE COUNT:	2223	
AB	A method of compatibilizing an anionic polymeric rheology modifier with cationic ingredients, which comprises complexing a cationic ingredient with an anionic complexing agent before combining the complexed cationic ingredient with an anionic rheology modifier. A composition comprising an anionic polymeric rheology modifier and a complexed cationic ingredient and a personal care or a household composition containing an anionic rheology modifier and a cationic ingredient complexed with an anionic complexing agent.	

L21 ANSWER 2 OF 22 USPATFULL on STN
ACCESSION NUMBER: 2004:56992 USPATFULL
TITLE: Acrylate polymers based on tert-butyl acrylate and/or
tert-butyl methacrylate
INVENTOR(S): Dausch, Wilma M., Limburgerho, GERMANY, FEDERAL
REPUBLIC OF
Zeitz, Katrin, Ludwigshafen, GERMANY, FEDERAL REPUBLIC

OF
 Schneider, Tanja, Bensheim, GERMANY, FEDERAL REPUBLIC
 OF
 Angel, Maximilian, Schifferstadt, GERMANY, FEDERAL
 REPUBLIC OF
 Potzolli, Bernd de, Bad Durkheim, GERMANY, FEDERAL
 REPUBLIC OF
 Wood, Claudia, Weinheim, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004042994	A1	20040304
APPLICATION INFO.:	US 2003-399498	A1	20030417 (10)
	WO 2001-EP12976		20011109

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-100557767	20001110
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KEIL & WEINKAUF, 1350 CONNECTICUT AVENUE, N.W., WASHINGTON, DC, 20036	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1008	

AB The invention relates to acrylate polymers comprising a K-value ranging from 10 to 60, which can be obtained by the radical polymerization of: 30 to 99 weight % of tert-butyl acrylate and/or tert-butyl methacrylate designated as monomer A; 1 to 28 weight % of acrylic acid and/or methacrylic acid designated as monomer B, and; 0 to 60 weight % of a radically **copolymerizable** monomer or of a radically **copolymerizable** monomer mixture designated as monomer C, whereby at least one of monomers C yields a homopolymer with a glass-transition temperature lower than 30° C., with the provision that the weight %'s total 100. The radical polymerization is carried out in the presence of alkane thiols with a C chain length of C 14 to C 22. The invention also relates to acrylate polymers comprising a K-value ranging from 10 to 60, which can be obtained by the radical polymerization of: 30 to 99 weight % of tert-butyl acrylate and/or tert-butyl methacrylate designated as monomer A; 1 to 28 weight % of acrylic acid and/or methacrylic acid designated as monomer B, and; 0 to 60 weight % of a radically **copolymerizable** monomer or of a radically **copolymerizable** monomer mixture designated as monomer C, whereby at least one of monomers C yields a homopolymer with a glass-transition temperature lower than 30° C., with the provision that the weight %'s total 100. The radical polymerization is carried out in the presence of alkane thiols with a C chain length of C 10 to C 22 followed by a hydrogen peroxide treatment. The invention also relates to the use of these acrylate polymers as film formers as well as to their use in cosmetic preparations.

L21 ANSWER 3 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2003:318283 USPATFULL

TITLE: Skin cosmetic formulations

INVENTOR(S): Gotsche, Michael, Mannheim, UNITED KINGDOM
 Wood, Claudia, Weinheim, GERMANY, FEDERAL REPUBLIC OF
 Dieing, Reinhold, Schifferstadt, GERMANY, FEDERAL
 REPUBLIC OF
 Jentzsch, Axel, Mannheim, GERMANY, FEDERAL REPUBLIC OF

NUMBER	KIND	DATE
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PATENT INFORMATION:	US 2003224025	A1	20031204	
APPLICATION INFO.:	US 2003-362059	A1	20030220	(10)
	WO 2001-EP9438		20010816	

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-100412203	20000822
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Keil & Weinkauff, 1101 Connecticut Avenue N W, Washington, DC, 20036	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2088	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The use of polymers obtainable by free-radical polymerization of

a) at least one vinyl ester of C.sub.1-C.sub.24-carboxylic acids in the presence of

b) polyether-containing compounds having a molecular weight of at least 300, and

c) optionally one or more further **copolymerizable** monomers in skin cosmetic formulations and in decorative cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 4 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2003:283298 USPATFULL

TITLE: Use of hydrophilic graft **copolymers**
containing n-vinylamine and/or open-chain n-vinylamide
units in cosmetic formulations

INVENTOR(S): Schneider, Tanja, Bensheim, GERMANY, FEDERAL REPUBLIC
OF
Gotsche, Michael, Mannheim, GERMANY, FEDERAL REPUBLIC
OF
Negele, Anton, Deidesheim, GERMANY, FEDERAL REPUBLIC OF
Kim, Son Nguyen, Hemsbach, GERMANY, FEDERAL REPUBLIC OF
Frenzel, Stefan, Mannheim, GERMANY, FEDERAL REPUBLIC OF
Wood, Claudia, Weinheim, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2003199642	A1	20031023	
APPLICATION INFO.:	US 2003-362053	A1	20030220	(10)
	WO 2001-EP9491		20010817	

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-10041211	20000822
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KEIL & WEINKAUF, 1350 CONNECTICUT AVENUE, N.W., WASHINGTON, DC, 20036	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2701	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the use of graft **copolymers** obtained by radical graft **copolymerisation** of a) at least one

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open-chained N-vinylamide compound of general formula (I) wherein R.sup.1, R.sup.2, R.sup.3 represents H or C.sub.1-C.sub.6-alkyl and b) optionally, one or several other **copolymerizeable** monomers on a polymergraft base c) for cosmetic applications, with the proviso that if the polymer graft base is compound containing polyether, the **copolymerizeable** polymer b) does not represent vinylester.
##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 5 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2003:257195 USPATFULL
TITLE: **Hair** cosmetic formulations
INVENTOR(S): Gotsche, Michael, Mannheim, GERMANY, FEDERAL REPUBLIC OF
Wood, Claudia, Weinheim, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003180245	A1	20030925
APPLICATION INFO.:	US 2003-344538	A1	20030212 (10)
	WO 2001-EP9437		20010816

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-10041163	20000821
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KEIL & WEINKAUF, 1350 CONNECTICUT AVENUE, N.W., WASHINGTON, DC, 20036	
NUMBER OF CLAIMS:	7	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1242	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The use of polymers obtainable by free-radical polymerization of

a) at least one vinyl ester of C.sub.1-C.sub.24-carboxylic acids in the presence of

b) polyether-containing compounds and

c) optionally one or more further **copolymerizable** monomers

in **hair** cosmetic formulations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 6 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2003:213199 USPATFULL
TITLE: Reshapable **hair styling** composition
comprising (meth)acrylic **copolymers** of four
or more monomers
INVENTOR(S): Rollat, Isabelle, Paris, FRANCE
Samain, Henri, Bievres, FRANCE
Morel, Olivier, Paris, FRANCE
PATENT ASSIGNEE(S): L'OREAL S.A. (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003147836	A1	20030807
APPLICATION INFO.:	US 2003-395064	A1	20030325 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-866009, filed on 24		

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May 2001, GRANTED, Pat. No. US 6376680
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP,
1300 I STREET, NW, WASHINGTON, DC, 20005
NUMBER OF CLAIMS: 71
EXEMPLARY CLAIM: 1
LINE COUNT: 1875

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A reshapable **hair styling** composition comprising at least one (meth)acrylic **copolymer** comprising: (a) units derived from at least one monomer chosen from (meth)acrylate esters of branched and straight chain alkyl alcohols, (b) units derived from at least one monomer chosen from (meth)acrylate esters of saturated and unsaturated cyclic alcohols containing 6 to 20 carbon atoms, (c) optionally units derived from at least one monomer chosen from hydrophilic monomers, and (d) optionally units derived from at least one monomer other than (a), (b), and (c) monomers, wherein said at least one (meth)acrylic **copolymer** comprises units derived from at least four different monomers and wherein said composition provides a reshapable effect.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 7 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2003:213197 USPATFULL
TITLE: Reshapable **hair styling** rinse
composition comprising (meth)acrylic **copolymers**
INVENTOR(S): Rollat, Isabelle, Paris, FRANCE
Samain, Henri, Bievres, FRANCE
Perron, Beatrice, Jouy En Josas, FRANCE
Restle, Serge, Saint-Prix, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003147834	A1	20030807
APPLICATION INFO.:	US 2001-23330	A1	20011220 (10)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Thomas L. Irving, FINNEGAN, HENDERSON, FARABOW,, GARRETT & DUNNER, L.L.P., 1300 I Street, N.W., Washington, DC, 20005-3315		
NUMBER OF CLAIMS:	183		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2767		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A reshapable **hair styling** composition comprising, optionally in a cosmetically acceptable vehicle, at least one (meth)acrylic **copolymer**, wherein the at least one (meth)acrylic **copolymer** comprises: (a) units derived from at least one monomer chosen from butyl (meth)acrylate monomers, (b) units derived from at least one monomer chosen from hydroxy alkyl (meth)acrylate monomers, and (c) optional units derived from at least one co-polymerizable monomer other than said (a) and (b) monomers, wherein said composition provides a reshapable effect and is a rinse composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 8 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2003:213196 USPATFULL
TITLE: Reshapable **hair styling** non-rinse

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INVENTOR(S): composition comprising (meth)acrylic copolymers
Rollat, Isabelle, Paris, FRANCE
Samain, Henri, Bievres, FRANCE
PATENT ASSIGNEE(S): L'OREAL (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003147833	A1	20030807
APPLICATION INFO.:	US 2001-22253	A1	20011220 (10)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Thomas L. Irving, FINNEGAN, HENDERSON, FARABOW,, GARRETT & DUNNER, L.L.P., 1300 I Street, N.W., Washington, DC, 20005-3315		
NUMBER OF CLAIMS:	90		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1716		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A reshapable **hair styling** composition comprising, optionally in a cosmetically acceptable vehicle, at least one (meth)acrylic **copolymer**, wherein the at least one (meth)acrylic **copolymer** comprises: (a) units derived from at least one monomer chosen from butyl (meth)acrylate monomers, (b) units derived from at least one monomer chosen from hydroxy alkyl (meth)acrylate monomers, and (c) optional units derived from at least one co-polymerizable monomer other than said (a) and (b) monomers, wherein said composition provides a reshapable effect and is a non-rinse composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 9 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2003:133517 USPATFULL

TITLE: METHOD OF TREATING A COSMETIC COMPOSITION BY IRRADIATION WITH NIR RADIATION, AND ITS USE

INVENTOR(S): Witteler, Helmut, Beindersheim, GERMANY, FEDERAL REPUBLIC OF
Blum, Rainer, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF
Hossel, Peter, Schifferstadt, GERMANY, FEDERAL REPUBLIC OF
Sanner, Axel, Frankenthal, GERMANY, FEDERAL REPUBLIC OF
Schwalm, Reinhold, Wachenheim, GERMANY, FEDERAL REPUBLIC OF
Dausch, Wilma M., Limburgerhof, GERMANY, FEDERAL REPUBLIC OF
Jaworek, Thomas, Kallstadt, GERMANY, FEDERAL REPUBLIC OF
Koniger, Rainer, Freinsheim, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003091602	A1	20030515
APPLICATION INFO.:	US 2001-750720	A1	20010102 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-10000807	20000112
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KEIL & WEINKAUF, 1350 CONNECTICUT AVENUE, N.W.,	

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WASHINGTON, DC, 20036

NUMBER OF CLAIMS: 32
EXEMPLARY CLAIM: 1
LINE COUNT: 1626

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a method of treating a cosmetic composition, which comprises treating the cosmetic composition with NIR radiation before, during or after application.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 10 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2003:23292 USPATFULL

TITLE: Reshapable **hair styling** composition comprising (meth)acrylic **copolymers** of four or more monomers

INVENTOR(S): Rollat, Isabelle, Paris, FRANCE
Samain, Henri, Bievres, FRANCE
Morel, Olivier, Paris, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003017128	A1	20030123
	US 6645478	B2	20031111
APPLICATION INFO.:	US 2001-886009	A1	20010622 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	FINNEGAN, HENDERSON, FARABOW, GARRETT &, DUNNER LLP, 1300 I STREET, NW, WASHINGTON, DC, 20006		
NUMBER OF CLAIMS:	71		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1878		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A reshapable **hair styling** composition comprising at least one (meth)acrylic **copolymer** comprising: (a) units derived from at least one monomer chosen from (meth)acrylate esters of branched and straight chain alkyl alcohols, (b) units derived from at least one monomer chosen from (meth)acrylate esters of saturated and unsaturated cyclic alcohols containing 6 to 20 carbon atoms, (c) optionally units derived from at least one monomer chosen from hydrophilic monomers, and (d) optionally units derived from at least one monomer other than (a), (b), and (c) monomers, wherein said at least one (meth)acrylic **copolymer** comprises units derived from at least four different monomers and wherein said composition provides a reshapable effect.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 11 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2003:23290 USPATFULL

TITLE: Reshapable **hair styling** composition comprising heterogeneous (meth)acrylic **copolymer** particles

INVENTOR(S): Rollat, Isabelle, Paris, FRANCE
Samain, Henri, Bievres, FRANCE
Morel, Ollvier, Paris, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003017125	A1	20030123
	US 6667378	B2	20031223
APPLICATION INFO.:	US 2001-886013	A1	20010622 (9)

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DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: FINNEGAN, HENDERSON, FARABOW, GARRETT &, DUNNER LLP,
1300 I STREET, NW, WASHINGTON, DC, 20006
NUMBER OF CLAIMS: 76
EXEMPLARY CLAIM: 1
LINE COUNT: 2015

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A reshapable **hair styling** composition comprising heterogeneous (meth)acrylic **copolymer** particles, said particles being the same or different and comprising at least one (meth)acrylic **copolymer** comprising: (a) units derived from at least one monomer chosen from (meth)acrylate esters of branched and straight chain alkyl alcohols, (b) units derived from at least one monomer chosen from (meth)acrylate esters of saturated and unsaturated cyclic alcohols containing 6 to 20 carbon atoms, (c) optionally units derived from at least one monomer chosen from hydrophilic monomers, and (d) optionally units derived from at least one monomer other than (a), (b), and (c) monomers, wherein said composition provides a reshapable effect.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 12 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2002:221039 USPATFULL

TITLE: Compositions useful for regulating **hair** growth containing metal complexes of oxidized carbohydrates

INVENTOR(S): Gardlik, John Michael, Cincinnati, OH, UNITED STATES
Severynse-Stevens, Diana, Yardley, PA, UNITED STATES
Comstock, Bryan Gabriel, Mason, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002119174	A1	20020829
APPLICATION INFO.:	US 2001-909440	A1	20010719 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-220756P	20000726 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, PATENT DIVISION, SHARON WOODS TECHNICAL CENTER, 11511 REED HARTMAN HIGHWAY, CINCINNATI, OH, 45241	
NUMBER OF CLAIMS:	50	
EXEMPLARY CLAIM:	1	
LINE COUNT:	3342	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A stable cosmetic, dermatological, or pharmaceutical composition comprising: (a) from about 0.001% to about 99.9%, by weight, of at least one metal complex of an oxidized carbohydrate; wherein the metal complex of an oxidized carbohydrate is neither zinc gluconate nor manganese gluconate nor lithium gluconate; and (b) from about 0.1% to about 99.999%, by weight, of a vehicle, wherein the vehicle comprises at least about 5%, by weight of the composition, of propylene glycol.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 13 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2002:185307 USPATFULL

TITLE: Nanoemulsions comprising at least one amphiphilic

lipid, at least one oil, and at least one nonionic polymer, and uses thereof

INVENTOR(S): Douin, Veronique, Paris, FRANCE
Cazin, Benedicte, Clichy, FRANCE
Simonnet, Jean-Thierry, Paris, FRANCE
Aubrun, Odile, Paris, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002098215	A1	20020725
	US 2003138465	A9	20030724
APPLICATION INFO.:	US 2001-766403	A1	20010122 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2000-793	20000121
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FINNEGAN, HENDERSON, FARABOW, GARRETT &, DUNNER LLP, 1300 I STREET, NW, WASHINGTON, DC, 20005	
NUMBER OF CLAIMS:	85	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1824	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Oil-in-water nanoemulsions comprising oil globules with an average size of less than 150 nm and comprising at least one oil, at least one amphiphilic lipid, and at least one nonionic polymer comprising at least one hydrophobic block and at least one hydrophilic block. Processes comprising such oil-in-water nanoemulsions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 14 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2002:164375 USPATFULL

TITLE: **HAIR STYLING COMPOSITION**

INVENTOR(S): NAMBU, TAKANORI, KOBE, JAPAN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002085988	A1	20020704
APPLICATION INFO.:	US 1999-297591	A1	19990503 (9)
	WO 1996-US17519		19961104
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, PATENT DIVISION, IVORYDALE TECHNICAL CENTER - BOX 474, 5299 SPRING GROVE AVENUE, CINCINNATI, OH, 45217		
NUMBER OF CLAIMS:	3		
EXEMPLARY CLAIM:	1		
LINE COUNT:	860		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are **hair styling** compositions comprising by weight: (a) from about 0.2% to about 5% of an anionic polymer; (b) from about 0.2% to about 5% of a cationic polymer; (c) from about 0.2% to about 5% of an amphoteric polymer; and (d) a solvent; wherein the total of components (a), (b), and (c) is from about 0.6 to about 15%, and wherein the level of the component comprised at the lowest level among components (a), (b), and (c) is at least about 5% of that of the component comprised at the highest level among components (a), (b), and (c).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L21 ANSWER 15 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2002:117972 USPATFULL

TITLE: **Hair styling** composition comprising encapsulated adhesives

INVENTOR(S): Garnier, Nathalie, Neydens-Verriere, FRANCE
Samain, Henri, Bievres, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002059941	A1	20020523
APPLICATION INFO.:	US 2001-930253	A1	20010816 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-225645P	20000816 (60)
	US 2000-229310P	20000901 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Thomas L. Irving, FINNEGAN, HENDERSON, FARABOW,, GARRETT & DUNNER, L.L.P., 1300 I Street, N.W., Washington, DC, 20005-3315	
NUMBER OF CLAIMS:	41	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1343	

AB **Hair styling** compositions that comprise at least one encapsulated adhesive, optionally in a cosmetically acceptable carrier, wherein the at least one encapsulated adhesive comprises at least one adhesive encapsulated by at least one encapsulating material. The present invention also relates to methods of providing a holding and/or reshapable effect to the **hair** using the compositions of the invention and methods of manufacturing of said compositions.

L21 ANSWER 16 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2002:115773 USPATFULL

TITLE: **Hairstyling** composition comprising a polymer with particular characteristics and an ionic film forming polymer

INVENTOR(S): Samain, Henri, Bievres, FRANCE
Dupuis, Christine, Paris, FRANCE

PATENT ASSIGNEE(S): L'Oreal S.A., Paris, FRANCE (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6391292	B1	20020521
	WO 2000030594		20000602
APPLICATION INFO.:	US 2000-600975		20000925 (9)
	WO 1999-FR2831		19991118
			20000925 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	FR 1998-14906	19981126
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Page, Thurman K.	
ASSISTANT EXAMINER:	Seidlech, Brian K.	
LEGAL REPRESENTATIVE:	Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.	
NUMBER OF CLAIMS:	38	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)	

LINE COUNT: 1058

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns a **hairstyling** composition comprising, in a cosmetically acceptable medium: (1) at least a polymer (A) selected such that the film obtained by drying of a mixture of said polymer (A) with **ethanol** or water, at room temperature and at a relative moisture content of 50% has a mechanical profile defined by at least: (i) an ultimate elongation rate ($\epsilon_{\text{sub.r}}$) not less than 300%; (ii) a creep at 300 seconds ($R_{\text{sub.300}}$) not less than 45%; and (iii) when the creep at 300 seconds ranges between 45 and 60%, the elongation is less than 1300%; (2) at least a film forming polymer (B) different from polymer (A) and selected among anionic, cationic or amphoteric film forming polymers. The invention also concerns a **hairstyling** or **hair**-fixing method using said composition and its use for formulating **hairstyling** products such as lacquers, sprays and foams for **hairstyling** and **hair** fixing.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 17 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2002:78205 USPATFULL

TITLE: **Hair styling** composition comprising encapsulated adhesivesINVENTOR(S): Garnier, Nathalie, Scotch Plains, NJ, UNITED STATES
Samain, Henri, Bievres, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002041858	A1	20020411
	US 6548051	B2	20030415
APPLICATION INFO.:	US 2001-930187	A1	20010816 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-225644P	20000816 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Thomas L. Irving, FINNEGAN, HENDERSON, FARABOW,, GARRETT & DUNNER, L.L.P., 1300 I Street, N.W., Washington, DC, 20005-3315	
NUMBER OF CLAIMS:	71	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1661	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB **Hair styling** compositions that comprise at least one adhesive particle, optionally in a cosmetically acceptable carrier, wherein said at least one adhesive particle comprises at least one substrate and an at least partial coating, wherein said at least partial coating comprises at least one adhesive, wherein the at least one substrate and the at least partial coating are not the same, and wherein the at least one adhesive particle has a mean length greater than 1 micron. The present invention also relates to methods of providing a holding and/or reshapable effect to the **hair** using the compositions of the invention and methods of manufacturing of said compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 18 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2002:61235 USPATFULL

TITLE: Method of regulating **hair** growth using metal complexes of oxidized carbohydrates

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INVENTOR(S): Gardlik, John Michael, Cincinnati, OH, UNITED STATES
Severynse-Stevens, Diana, Yardley, PA, UNITED STATES
Comstock, Bryan Gabriel, Mason, OH, UNITED STATES
PATENT ASSIGNEE(S): The Procter & Gamble Company (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002035070	A1	20020321
APPLICATION INFO.:	US 2001-909441	A1	20010719 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-220755P	20000726 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Brent M. Peebles, The Procter & Gamble Company, Sharon Woods Technical Center, 11511 Reed Hartman Highway, Cincinnati, OH, 45241	
NUMBER OF CLAIMS:	44	
EXEMPLARY CLAIM:	1	
LINE COUNT:	3276	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for regulating the growth of **hair** comprising administering to a mammal, an effective amount of a composition comprising: (a) from about 0.001% to about 99.9%, by weight, of at least one metal complex of an oxidized carbohydrate, wherein the metal complex of an oxidized carbohydrate is neither zinc gluconate nor manganese gluconate; and (b) from about 0.1% to about 99.999%, by weight, of a vehicle.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 19 OF 22 USPATFULL on STN

ACCESSION NUMBER: 2000:87734 USPATFULL
TITLE: Personal treatment compositions and/or cosmetic compositions containing enduring perfume
INVENTOR(S): Trinh, Toan, Maineville, OH, United States
Bacon, Dennis Ray, Milford, OH, United States
Chung, Alex Haejoon, West Chester, OH, United States
Trandai, Angie, West Chester, OH, United States
PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6086903		20000711
APPLICATION INFO.:	US 1996-606881		19960226 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Wortman, Donna C.		
LEGAL REPRESENTATIVE:	Camp, Jason J.		
NUMBER OF CLAIMS:	16		
EXEMPLARY CLAIM:	1		
LINE COUNT:	3846		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Personal treatment compositions including leave-on **hair** care compositions and leave-on skin care compositions, comprising from about 0.001% to about 50%, preferably from about 0.005% to about 6%, enduring perfume, are disclosed. The enduring perfume provides a lasting olfactory sensation thus minimizing the need to use large amounts.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L21 ANSWER 20 OF 22 USPATFULL on STN

ACCESSION NUMBER: 1998:156931 USPATFULL
TITLE: Personal treatment compositions and/or cosmetic
compositions containing enduring perfume
INVENTOR(S): Trinh, Toan, Maineville, OH, United States
Bacon, Dennis Ray, Milford, OH, United States
Chung, Alex Haejoon, West Chester, OH, United States
Trandai, Angie, West Chester, OH, United States
PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United
States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5849310		19981215
APPLICATION INFO.:	US 1996-606882		19960226 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-326457, filed on 20 Oct 1994, now patented, Pat. No. US 5540853		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Venkat, Jyothsna		
LEGAL REPRESENTATIVE:	Aylor, Robert B.		
NUMBER OF CLAIMS:	21		
EXEMPLARY CLAIM:	1		
LINE COUNT:	3862		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Personal treatment compositions including cleansing and/or cosmetic
compositions are disclosed, the cleansing compositions, for example,
comprising from about 0.001% to about 10%, preferably from about 0.005%
to about 6%, enduring perfume comprising at least about 70% of enduring
perfume ingredients; from about 0.01% to about 95% surfactant system;
and the balance carrier. The enduring perfume provides a lasting
olfactory sensation thus minimizing the need to use large amounts.
Preferred compositions are liquid and comprise water as a carrier.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 21 OF 22 USPATFULL on STN

ACCESSION NUMBER: 1998:138451 USPATFULL
TITLE: Personal treatment compositions and /or cosmetic
compositions containing enduring perfume
INVENTOR(S): Trinh, Toan, Maineville, OH, United States
Bacon, Dennis Ray, Milford, OH, United States
Trandai, Angie, West Chester, OH, United States
PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United
States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5833999		19981110
APPLICATION INFO.:	US 1996-745385		19960520 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1994-326620, filed on 20 Oct 1994, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Venkat, Jyothsna		
LEGAL REPRESENTATIVE:	Aylor, Robert B.		
NUMBER OF CLAIMS:	12		
EXEMPLARY CLAIM:	1		
LINE COUNT:	3503		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Personal treatment compositions including leave-on hair care

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compositions and leave-on skin care compositions, comprising from about 0.001% to about 50%, preferably from about 0.005% to about 6%, enduring perfume, are disclosed. The enduring perfume provides a lasting olfactory sensation thus minimizing the need to use large amounts.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 22 OF 22 USPATFULL on STN

ACCESSION NUMBER: 96:67677 USPATFULL

TITLE: Personal treatment compositions and/or cosmetic compositions containing enduring perfume

INVENTOR(S): Trinh, Toan, Maineville, OH, United States
Bacon, Dennis R., Milford, OH, United States
Trandai, Angie, West Chester, OH, United States

PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5540853		19960730
APPLICATION INFO.:	US 1994-326457		19941020 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	McFarlane, Anthony		
ASSISTANT EXAMINER:	Hailey, Patricia L.		
LEGAL REPRESENTATIVE:	Aylor, Robert B.		
NUMBER OF CLAIMS:	21		
EXEMPLARY CLAIM:	1		
LINE COUNT:	3562		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Personal treatment compositions including cleansing and/or cosmetic compositions are disclosed, the cleansing compositions, for example, comprising from about 0.001% to about 10%, preferably from about 0.005% to about 6%, enduring perfume; from about 0.01% to about 95% surfactant system; and the balance carrier. The enduring perfume provides a lasting olfactory sensation thus minimizing the need to use large amounts. Preferred compositions are liquid and comprise water as a carrier.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4263275		19810421
APPLICATION INFO.:	US 1979-82260		19791005 (6)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1979-68247, filed on 20 Aug 1979, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ore, Dale R.		
LEGAL REPRESENTATIVE:	Fickey, Charles J.		
NUMBER OF CLAIMS:	3		
EXEMPLARY CLAIM:	1		
LINE COUNT:	223		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A hydroalcoholic, pressurized hair spray composition containing an anticorrosive agent for reducing corrosion in tinplate aerosol cans. Such compositions contain a hydrocarbon, water, a film-forming polymeric material, an organic base neutralizer, ethanol or isopropanol and as an anticorrosion agent, a phosphate salt of a quaternary ammonium compound.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L24 ANSWER 22 OF 25 USPATFULL on STN
 ACCESSION NUMBER: 81:20557 USPATFULL
 TITLE: Hydroalcoholic **aerosol hair** sprays
 INVENTOR(S): Nandagiri, Arun, Dover, NJ, United States
 Tripathi, Uma, Oakland, NJ, United States
 PATENT ASSIGNEE(S): American Cyanamid Company, Stamford, CT, United States
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4261972		19810414
APPLICATION INFO.:	US 1979-78253		19790924 (6)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ore, Dale R.		
LEGAL REPRESENTATIVE:	Fickey, Charles J.		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
LINE COUNT:	123		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A pressurized hair spray composition having reduced flammability, a superior hair holding resin and containing 20 to 35 percent aliphatic hydrocarbon and 2 to 30 percent water.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L24 ANSWER 23 OF 25 USPATFULL on STN
 ACCESSION NUMBER: 80:12719 USPATFULL
 TITLE: Hydrocarbon propelled **aerosol hair** spray compositions
 INVENTOR(S): Micchelli, Albert L., Middletown, NJ, United States
 Nowak, Jr., Frank A., Somerville, NJ, United States
 Ganslaw, Stuart H., Morristown, NJ, United States
 PATENT ASSIGNEE(S): National Starch and Chemical Corporation, Bridgewater, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4192861		19800311

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APPLICATION INFO.: US 1978-903441 19780505 (5)
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Schenkman, Leonard
LEGAL REPRESENTATIVE: Szala, Edwin, Dec, Ellen T.
NUMBER OF CLAIMS: 8
EXEMPLARY CLAIM: 1
LINE COUNT: 378

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The solubility of hair spray resins derived from copolymers of unsaturated monocarboxylic acids and vinyl or vinylidene monomers in alcohol-hydrocarbon propellant systems is substantially increased by use of specific long chain amines as neutralizing agents therein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L24 ANSWER 24 OF 25 USPATFULL on STN

ACCESSION NUMBER: 79:34886 USPATFULL

TITLE: **Aerosol hair** spray containing an ethyl or butyl monoester of a copolymer of maleic acid and a vinyl monomer

INVENTOR(S): Nandagiri, Arun, Lake Hiawatha, NJ, United States
Tripathi, Uma, Oakland, NJ, United States
Hunter, LeRoy, Randolph, NJ, United States

PATENT ASSIGNEE(S): American Cyanamid Company, Stamford, CT, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4164562		19790814
APPLICATION INFO.:	US 1977-844241		19771021 (5)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Thomas, Jr., James O.		
ASSISTANT EXAMINER:	Clarke, Vera C.		
LEGAL REPRESENTATIVE:	Fickey, Charles J.		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
LINE COUNT:	121		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A pressurized hair spray composition having reduced flammability, having from 20 to 35 percent aliphatic hydrocarbons and 2 to 12 percent water.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L24 ANSWER 25 OF 25 USPATFULL on STN

ACCESSION NUMBER: 75:64200 USPATFULL

TITLE: **Aerosol hair** sprays containing ethyl or butyl monoester of copolymer of vinyl monomer and maleic acid

INVENTOR(S): Abegg, Jean-Louis, Paris, France
Madrang, Annie, Saint-Germain-en-Laye, France

PATENT ASSIGNEE(S): Societe Anonyme dite: L'Oreal, Paris, France (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3922341		19751125
APPLICATION INFO.:	US 1974-455809		19740328 (5)

NUMBER	DATE
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PRIORITY INFORMATION: LU 1973-67330 19730330
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Rosen, Sam
ASSISTANT EXAMINER: Clarke, Vera C.
LEGAL REPRESENTATIVE: Cushman, Darby & Cushman
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
LINE COUNT: 328

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A hair spray composition for use in aerosol form comprising a mixture
##EQU1## a. at least one copolymer containing a repeating unit of the
formula WHERE

R is ethyl or butyl, and

R.sub.1 is H or an aliphatic radical containing from 1 to 4 carbon
atoms, wherein about 20-35% of the carboxylic groups are neutralized
with an organic base;

B. an alcoholic phase comprising about 20-45% by weight of the total
weight of the composition;

C. trichlorofluoromethane; and

D. a sufficient quantity of nitrous oxide to provide an internal
pressure of between 3 and 8 kg/cm.sup.2 when the composition is placed
in a sealed container.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s polyalkylene glycol?

33691 POLYALKYLENE

303615 GLYCOL?

L25 16649 POLYALKYLENE GLYCOL?

(POLYALKYLENE (W) GLYCOL?)

=> s hair?

L26 73703 HAIR?

=> d l25 and l26

L26 IS NOT VALID HERE

For an explanation, enter "HELP DISPLAY".

=> s l25 and l26

L27 1357 L25 AND L26

=> s l27/ti

407 POLYALKYLENE/TI

1803 GLYCOL?/TI

104 POLYALKYLENE GLYCOL?/TI

((POLYALKYLENE (W) GLYCOL?)/TI)

7180 HAIR?/TI

L28 2 ((POLYALKYLENE GLYCOL?/TI) AND (HAIR?/TI))

=> d 1-2 ibib abs

L28 ANSWER 1 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2003:279007 USPATFULL

TITLE: Hair styling compositions containing select
polyalkylene glycol styling agents

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INVENTOR(S): Bolich, Jr., Raymond Edward, Hillsboro, OH, United States
Rigney, Kenneth Wayne, Georgetown, KY, United States
Scott, Alic Anthony, Cincinnati, OH, United States
Kuhlman, Dennis Eugene, Middletown, OH, United States
Schneider, Michael John, Mason, OH, United States
PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6635240	B1	20031021
APPLICATION INFO.:	US 1999-464172		19991215 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-305502, filed on 5 May 1999, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Dodson, Shelley A.		
LEGAL REPRESENTATIVE:	Sivik, Linda M., Rosnell, Tara M.		
NUMBER OF CLAIMS:	30		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)		
LINE COUNT:	1321		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are hair styling compositions which comprise from about 5% to about 90% by weight of a polyalkylene glycol styling agent that is substantially free of polyalkylene glyceryl ethers, and that has a number average molecular weight of from about 190 to about 1500 and from about 5 to about 35 repeating alkylene oxide radicals wherein each of the repeating alkylene oxide radicals has from 2 to 6 carbon atoms; from about 1% to about 90% by weight of a liquid carrier which can comprise water, an organic solvent, or combinations thereof; and, optionally, from about 5% to about 40% by weight of a propellant. Also disclosed are hair styling compositions which comprise from about 5% to about 90% by weight of a polyalkylene glycol styling agent that has a number average molecular weight of from about 190 to about 1500 and from about 5 to about 35 repeating alkylene oxide radicals wherein each of the repeating alkylene oxide radicals has from 2 to 6 carbon atoms; from about 1% to about 90% by weight of a liquid carrier which can comprise water, an organic solvent, or combinations thereof; and from about 1.5% to about 60% by weight of certain silicones or silicone derivatives and, optionally, propellant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 2 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2003:176166 USPATFULL

TITLE: Hair care compositions comprising
polyalkylene glycol styling agents

INVENTOR(S): Carballada, Jose Antonio, Cincinnati, OH, United States
Kuhlman, Dennis Eugene, Middletown, OH, United States
Schneider, Michael John, Mason, OH, United States

PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6585965	B1	20030701
APPLICATION INFO.:	US 2000-631317		20000803 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Krass, Frederick		

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ASSISTANT EXAMINER: Ostrup, Clinton
LEGAL REPRESENTATIVE: Sivik, Linda M., Bolam, Brian M., Rosnell, Tara M.
NUMBER OF CLAIMS: 19
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 1118

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Hair care compositions comprise a water-soluble polyalkylene glycol having a number average molecular weight of from about 200 to about 900 and from about 4 to about 18 repeating alkylene oxide radicals, wherein each of the repeating alkylene oxide radicals has from 2 to 6 carbon atoms; a film forming polymer is soluble in the polyalkylene glycol, wherein the weight ratio of the polyalkylene glycol to the film forming polymer ranges from about 5:1 to about 50:1; and a liquid carrier. The hair care compositions optionally further comprise a non-volatile silicone with a molecular weight greater than about 40,000 daltons.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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(FILE 'HOME' ENTERED AT 09:38:18 ON 22 MAR 2004)

FILE 'USPATFULL' ENTERED AT 09:38:28 ON 22 MAR 2004

L1 73703 S HAIR?
L2 6445 S STYLING
L3 208654 S SPRAY
L4 3128 S L1 AND L2
L5 1078 S L3 AND L4
L6 34497 S PROPELLANT?
L7 655 S L5 AND L6
L8 16649 S POLYALKYLENE GLYCOL?
L9 69 S L7 AND L8
L10 371790 S ETHER?
L11 2 S L9 NOT L10
L12 6 S POLYALKYLENE GLYCERYL ETHER?
L13 67 S L9 NOT L12
L14 281341 S ETHANOL?
L15 63 S L13 AND L14
L16 48165 S POLYSACCHARIDE?
L17 31 S L15 AND L16
L18 1701 S MOUSSE
L19 22 S L17 AND L18
L20 258867 S COPOLYMER?
L21 22 S L19 AND L20
L22 895 S AEROSOL(P)HAIR/TI
L23 9 S L22 AND L21
L24 25 S AEROSOL HAIR/TI
L25 16649 S POLYALKYLENE GLYCOL?
L26 73703 S HAIR?
L27 1357 S L25 AND L26
L28 2 S L27/TI

=> s l12 and l28

L29 2 L12 AND L28

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L29 ANSWER 1 OF 2 USPATFULL on STN

TI Hair styling compositions containing select
polyalkylene glycol styling agents

- AB comprise from about 5% to about 90% by weight of a polyalkylene glycol styling agent that is substantially free of **polyalkylene glyceryl ethers**, and that has a number average molecular weight of from about 190 to about 1500 and from about 5 to. . .
- SUMM styling performance is described in JP 8-346608, published Jun. 23, 1998. The hair styling compositions disclosed in this publication contain **polyalkylene glyceryl ethers** styling agents to provide for sustained hair styling performance and improved aesthetics such as longer moisture and luster to the hair. These **polyalkylene glyceryl ether** styling agents typically do not readily penetrate into the hair and can remain on the hair fibers to provide the improved hair styling benefits. The **polyalkylene glyceryl ether** containing compositions disclosed in this particular publication, however, tend to provide minimal or no hold to the hair, and this. . .
- SUMM comprise (a) from about 5% to about 90% by weight of a water-soluble polyalkylene glycol that is substantially free of **polyalkylene glyceryl ethers** and that has a number average molecular weight of from about 190 to about 1500 and from about 5 to. . .
- SUMM comprise (a) from about 5% to about 25% by weight of a water-soluble polyalkylene glycol that is substantially free of **polyalkylene glyceryl ethers** and that has a number average molecular weight of from about 190 to about 1500 and from about 5 to. . .
- SUMM comprise (a) from about 65% to about 99% by weight of a water-soluble polyalkylene glycol that is substantially free of **polyalkylene glyceryl ethers** and that has a number average molecular weight of from about 190 to about 1500 and from about 5 to. . .
- SUMM limitations of some embodiments of the compositions of the present invention, and are directed to the amount and concentration of **polyalkylene glyceryl ether** styling agents, or derivatives thereof, in the compositions. The term "substantially free" means that the compositions preferably contain less than. . . styling performance when the compositions are applied to the hair. In this context, the negative limitations pertain only to those **polyalkylene glyceryl ether** styling agents which are also a liquid or semisolid under ambient conditions, and which are not silicone-containing materials. Generally, the. . .
- SUMM glycols, polyethylene/polypropylene glycol copolymers, polyethylene/polypropylene diol copolymers, polyglycerins, and mixtures thereof, and/or their derivatives, and/or mixtures thereof, excluding the water-soluble **polyalkylene glyceryl ethers** which are also liquids or semisolids under ambient conditions, except in embodiments wherein the styling composition contains a silicone or. . .
- CLM What is claimed is:
- comprising: (a) from about 5% to about 90% by weight of a water-soluble polyalkylene glycol that is substantially free of **polyalkylene glyceryl ethers** and that has a number average molecular weight of from about 190 to about 1500 and from about 12 to. . .
- composition comprising: (a) from about 5% to about 25% by weight of a polyalkylene glycol that is substantially free of **polyalkylene glyceryl ethers** and that has a number average molecular weight of from about 190 to about 1500 and from about 12 to. . .
- an aerosol container, wherein the aerosol container comprises a propellant, and wherein the reformable weld formulation is substantially free of **polyalkylene glyceryl ethers**.

- . . . composition comprising: (a) from about 65% to about 99% by weight of a polyalkylene glycol that is substantially free of **polyalkylene glyceryl ethers** and that has a number average molecular weight of from about 190 to about 1500 and from about 12 to.
- . . . composition comprising: (a) from about 5% to about 80% by weight of a polyalkylene glycol that is substantially free of **polyalkylene glyceryl ethers** and that has a number average molecular weight of from about 190 to about 1500 and from about 12 to.

L29 ANSWER 2 OF 2 USPATFULL on STN

TI **Hair** care compositions comprising **polyalkylene glycol** styling agents

SUMM . . . styling process is described in JP 8-346608, published Jun. 23, 1998. The hair styling compositions disclosed in this publication contain **polyalkylene glyceryl ether** styling agents to provide for sustained hair styling performance and aesthetics such as luster to the hair. These **polyalkylene glyceryl ether** styling agents typically do not readily penetrate into the hair and can remain on the hair fibers to provide hair styling benefits. The **polyalkylene glyceryl ether**-containing compositions disclosed in this particular publication, however, tend to provide minimal or no hold to the hair, and this can. . .

SUMM . . . and/or their derivatives, and/or mixtures thereof. Within the scope of the present invention, the term "polyalkylene glycols" does not include **polyalkylene glyceryl ethers**.

Additionally, in this context, "water-soluble" refers to those styling materials that have a solubility in water at 25° C. of. . .

SUMM . . . of some embodiments of the compositions of the present invention, and are particularly directed to the amount and concentration of **polyalkylene glyceryl ether** styling agents, or derivatives thereof, in the compositions. The terms "substantially free" means that the compositions preferably contain less than. . . styling performance when the compositions are applied to the hair. In this context, the negative limitations pertain only to those **polyalkylene glyceryl ether** styling agents which are also a liquid or semi-solid under ambient conditions, and to compositions which do not contain silicone-containing. . .

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L29 ANSWER 2 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2003:176166 USPATFULL

TITLE: **Hair** care compositions comprising **polyalkylene glycol** styling agents

INVENTOR(S): Carballada, Jose Antonio, Cincinnati, OH, United States
Kuhlman, Dennis Eugene, Middletown, OH, United States
Schneider, Michael John, Mason, OH, United States

PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6585965	B1	20030701
APPLICATION INFO.:	US 2000-631317		20000803 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Krass, Frederick		

09/305,502

ASSISTANT EXAMINER: Ostrup, Clinton
LEGAL REPRESENTATIVE: Sivik, Linda M., Bolam, Brian M., Rosnell, Tara M.
NUMBER OF CLAIMS: 19
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 1118

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Hair care compositions comprise a water-soluble polyalkylene glycol having a number average molecular weight of from about 200 to about 900 and from about 4 to about 18 repeating alkylene oxide radicals, wherein each of the repeating alkylene oxide radicals has from 2 to 6 carbon atoms; a film forming polymer is soluble in the polyalkylene glycol, wherein the weight ratio of the polyalkylene glycol to the film forming polymer ranges from about 5:1 to about 50:1; and a liquid carrier. The hair care compositions optionally further comprise a non-volatile silicone with a molecular weight greater than about 40,000 daltons.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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'FRO' IS NOT A VALID FORMAT FOR FILE 'USPATFULL'

The following are valid formats:

The default display format is STD.

ABS ----- AB
ALL ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD, RLI, PRAI, DT, FS, REP, REN, EXNAM, LREP, CLMN, ECL, DRWN, AB, GOVI, PARN, SUMM, DRWD, DETD, CLM, INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC, ICM, ICS, EXF, ARTU
ALLG ----- ALL plus PAGE.DRAW
BIB ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD, RLI, PRAI, DT, FS, EXNAM, LREP, CLMN, ECL, DRWN, LN.CNT
BIB.EX ----- BIB for original and latest publication
BIBG ----- BIB plus PAGE.DRAW
BROWSE ----- See "HELP BROWSE" or "HELP DISPLAY BROWSE". BROWSE must entered on the same line as DISPLAY, e.g., D BROWSE.
CAS ----- OS, CC, SX, ST, IT
CBIB ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PRAI, DT, FS
DALL ----- ALL, delimited for post-processing
FP ----- PI, TI, IN, INA, PA, PAA, PAT, PTERM, DCD, AI, RLI, PRAI, IC, ICM, ICS, INCL, INCLM, INCLS, NCL, NCLM, NCLS, EXF, REP, REN, ARTU, EXNAM, LREP, CLMN, DRWN, AB
FP.EX ----- FP for original and latest publication
FPALL ----- PI, TI, IN, INA, PA, PAA, PAT, PETERM, DCD, AI, RLI, PRAI, IC, ICM, ICS, INCL, INCLM, INCLS, NCL, NCLM, NCLS, EXF, REP, REN, ARTU, EXNAM, LREP, CLMN, DRWN, AB, PARN, SUMM, DRWD, DETD, CLM
FPBIB ----- PI, TI, IN, INA, PA, PAA, PAT, PTERM, DCD, AI, RLI, PRAI, REP, REN, EXNAM, LREP, CLM, CLMN, DRWN
FHITSTR ----- HIT RN, its text modification, its CA index name, and its structure diagram
FPG ----- FP plus PAGE.DRAW
GI ----- PN and page image numbers
HIT ----- All fields containing hit terms
HITRN ----- HIT RN and its text modification
HITSTR ----- HIT RN, its text modification, its CA index name, and its structure diagram

09/305,502

IABS ----- ABS, indented with text labels
IALL ----- ALL, indented with text labels
IALLG ----- IALL plus PAGE.DRAW
IBIB ----- BIB, indented with text labels
IBIB.EX ---- IBIB for original and latest publication
IBIBG ----- IBIB plus PAGE.DRAW
IMAX ----- MAX, indented with text labels
IMAX.EX ---- IMAX for original and latest publication
IND ----- INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC, ICM, ICS,
EXF, ARTU, OS, CC, SX, ST, IT
ISTD ----- STD, indented with text labels
KWIC ----- All hit terms plus 20 words on either side
MAX ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD,
RLI, PRAI, DT, FS, REP, REN, EXNAM, LREP, CLMN, ECL,
DRWN, AB, GOVI, PARN, SUMM, DRWD, DETD, CLM, INCL,
INCLM, INCLS, NCL, NCLM, NCLS, IC, ICM, ICS,
EXF, ARTU OS, CC, SX, ST, IT
MAX.EX ---- MAX for original and latest publication
OCC ----- List of display fields containing hit terms
SBIB ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,
DT, FS, LN.CNT
SCAN ----- AN, TI, NCL, NCLM, NCLS, IC, ICM, ICS (random display
without answer number. SCAN must be entered on the
same line as DISPLAY, e.g., D SCAN)
STD ----- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,
DT, FS, LN.CNT, INCL, INCLM, INCLS, NCL, NCLM, NCLS,
IC, ICM, ICS, EXF (STD is the default)
STD.EX ---- STD for original and latest publication
TRIAL ----- AN, TI, INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC,
ICM, ICS

ENTER DISPLAY FORMAT (STD):fp

L29 ANSWER 1 OF 2 USPATFULL on STN

United States Patent

Patent Number: 6635240 B1

Date of Patent: 21 Oct 2003

Hair styling compositions containing select polyalkylene
*****glycol*** styling agents**

Inventor(s): Bolich, Jr., Raymond Edward, Hillsboro, OH, United States
Rigney, Kenneth Wayne, Georgetown, KY, United States
Scott, Alic Anthony, Cincinnati, OH, United States
Kuhlman, Dennis Eugene, Middletown, OH, United States
Schneider, Michael John, Mason, OH, United States

Assignee: The Procter & Gamble Company, Cincinnati, OH, United States (U.S.
corporation)

Appl. No.: 99-464172

Filed: 15 Dec 1999

Publication Details

PATENT INFORMATION: US 6635240 B1 21 Oct 2003

Related U.S. Application Data

Continuation-in-part of Ser. No. US 1999-305502, filed on 5 May 1999, now
abandoned

Int. Cl. A61K007-06; A61K037-695; A61K007-11; A61K007-00;
A61L009-04

09/305,502

Issue U.S. Cl. 424/070.100; 424/045.000; 424/070.120; 424/070.170;
424/401.000; 424/047.000; 514/063.000; 514/937.000;
514/941.000; 514/945.000
Current U.S. Cl. 424/070.100; 424/045.000; 424/047.000; 424/070.120;
424/070.170; 424/401.000; 514/063.000; 514/937.000;
514/941.000; 514/945.000
Field of Search 424/45; 424/401; 424/70.1; 424/70.12; 424/70.17; 424/47;
514/941; 514/937; 514/63; 514/945

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US 3876760	Apr 1975	424/070.000	Nersesian et al.
US 3959463	May 1976	424/070.000	Nersesian et al.
US 4001392	Jan 1977	424/047.000	Curry et al.
US 4902499	Feb 1990	424/070.000	Bolich, Jr. et al.
US 4963348	Oct 1990		Bolich et al.
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US 5211941	May 1993	424/070.000	Komori et al.
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US 5342611	Aug 1994	424/070.000	Komori et al.
US 5358667	Oct 1994	252/547.000	Bergmann
US 5362484	Nov 1994	424/070.000	Wood et al.
US 5456863	Oct 1995	252/547.000	Bergmann
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US 5750122	May 1998	424/401.000	Evans et al.
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US 5837661	Nov 1998	510/122.000	Evans et al.
US 5874092	Feb 1999	424/401.000	Roulier et al.
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EP 240350	Jun 1995	A61K007-11	
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JP 2750807	Feb 1998	A61K007-06	
JP 10167948	Jun 1998	A61K007-48	
JP 20402500	Jul 2000		
WO 9509599	Apr 1995	A61K007-06	
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WO 9730682	Aug 1997	A61K007-06	
WO 9838969	Sep 1998	A61K007-00	
WO 2000040212	Jul 2000		
WO 2000067709	Nov 2000		

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*English abstracts included/attached.

09/305,502

**Abstract (in English).

Art Unit - 166

Primary Examiner - Dodson, Shelley A.

Attorney, Agent or Firm - Sivik, Linda M., Rosnell, Tara M.

30 Claim(s), 0 Drawing Figure(s), 0 Drawing Page(s)

ABSTRACT

Disclosed are hair styling compositions which comprise from about 5% to about 90% by weight of a polyalkylene glycol styling agent that is substantially free of **polyalkylene glyceryl ethers**, and that has a number average molecular weight of from about 190 to about 1500 and from about 5 to about 35 repeating alkylene oxide radicals wherein each of the repeating alkylene oxide radicals has from 2 to 6 carbon atoms; from about 1% to about 90% by weight of a liquid carrier which can comprise water, an organic solvent, or combinations thereof; and, optionally, from about 5% to about 40% by weight of a propellant. Also disclosed are hair styling compositions which comprise from about 5% to about 90% by weight of a polyalkylene glycol styling agent that has a number average molecular weight of from about 190 to about 1500 and from about 5 to about 35 repeating alkylene oxide radicals wherein each of the repeating alkylene oxide radicals has from 2 to 6 carbon atoms; from about 1% to about 90% by weight of a liquid carrier which can comprise water, an organic solvent, or combinations thereof; and from about 1.5% to about 60% by weight of certain silicones or silicone derivatives and, optionally, propellant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L29 ANSWER 2 OF 2 USPATFULL on STN

United States Patent

Patent Number: 6585965 B1

Date of Patent: 1 Jul 2003

Hair care compositions comprising polyalkylene

*****glycol*** styling agents**

Inventor(s): Carballada, Jose Antonio, Cincinnati, OH, United States

Kuhlman, Dennis Eugene, Middletown, OH, United States

Schneider, Michael John, Mason, OH, United States

Assignee: The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

Appl. No.: 2000-631317

Filed: 3 Aug 2000

Publication Details

PATENT INFORMATION: US 6585965 B1 1 Jul 2003

Int. Cl. A61K007-06; A61K007-07; A61K007-075; A61K007-08;
A61K007-11

Issue U.S. Cl. 424/070.100; 424/047.000; 424/486.000; 424/070.120;
424/070.150; 424/DIG.001; 424/DIG.002

Current U.S. Cl. 424/070.100; 424/047.000; 424/070.120; 424/070.150;
424/486.000; 424/DIG.001; 424/DIG.002

Field of Search 424/70.1; 424/47; 424/486; 424/70.12; 424/70.15;

424/DIG.1; 424/DIG.2

Reference Cited

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Patent Number	Date	Class	Inventor
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US 3876760	Apr 1975	424/070.000	Nersesian et al.
US 3959463	May 1976	424/070.000	Nersesian et al.
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US 5358667	Oct 1994	252/547.000	Bergmann
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JP 10007534	Jan 1998	A61K007-06	
JP 2750807	Feb 1998	A61K007-06	
JP 10167948	Jun 1998	A61K007-48	
JP 20402500	Jul 2000		
WO 9509599	Apr 1995	A61K007-06	
WO 9730681	Aug 1997	A61K007-06	
WO 9730682	Aug 1997	A61K007-06	
WO 9838969	Sep 1998	A61K007-00	
WO 2000040212	Jul 2000		
WO 2000067709	Nov 2000		

Art Unit - 164

Primary Examiner - Krass, Frederick

Assistant Examiner - Ostrup, Clinton

Attorney, Agent or Firm - Sivik, Linda M., Bolam, Brian M., Rosnell, Tara M.

19 Claim(s), 0 Drawing Figure(s), 0 Drawing Page(s)

ABSTRACT

Hair care compositions comprise a water-soluble polyalkylene glycol having a number average molecular weight of from about 200 to about 900 and from about 4

09/305,502

to about 18 repeating alkylene oxide radicals, wherein each of the repeating alkylene oxide radicals has from 2 to 6 carbon atoms; a film forming polymer is soluble in the polyalkylene glycol, wherein the weight ratio of the polyalkylene glycol to the film forming polymer ranges from about 5:1 to about 50:1; and a liquid carrier. The hair care compositions optionally further comprise a non-volatile silicone with a molecular weight greater than about 40,000 daltons.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.